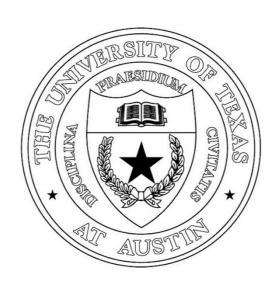


## US Wall Halo Scintillator Counter(HSC) Installation

Brandon Soubasis, Dũng Phan, Will Flanagan June 30, 2015



## Outline

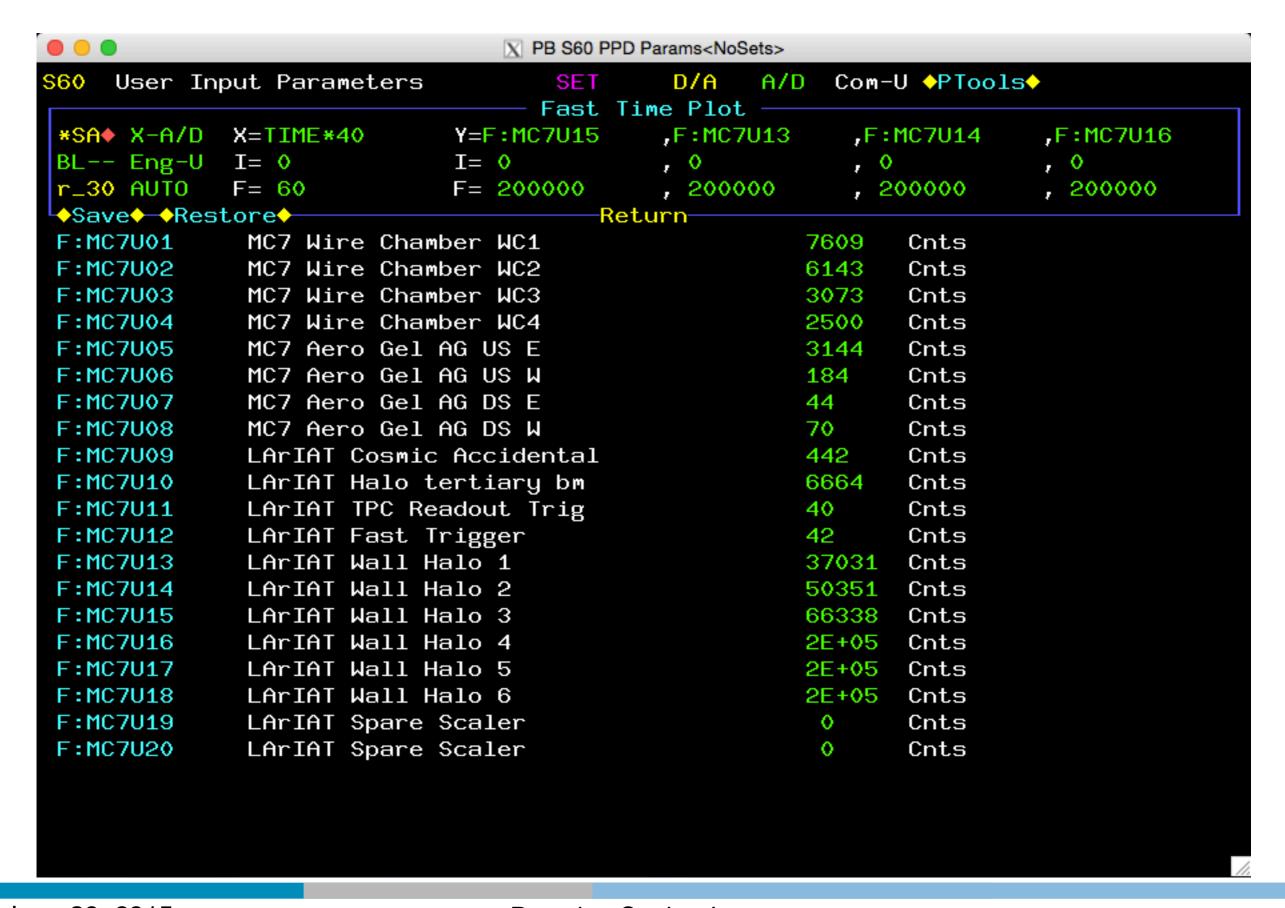
- Update on installation of HSC
  - Event Display with HSC

- > Counters on the upstream wall!
  - Measure any secondary beam halo.
  - Help understand radiation field of MC7.

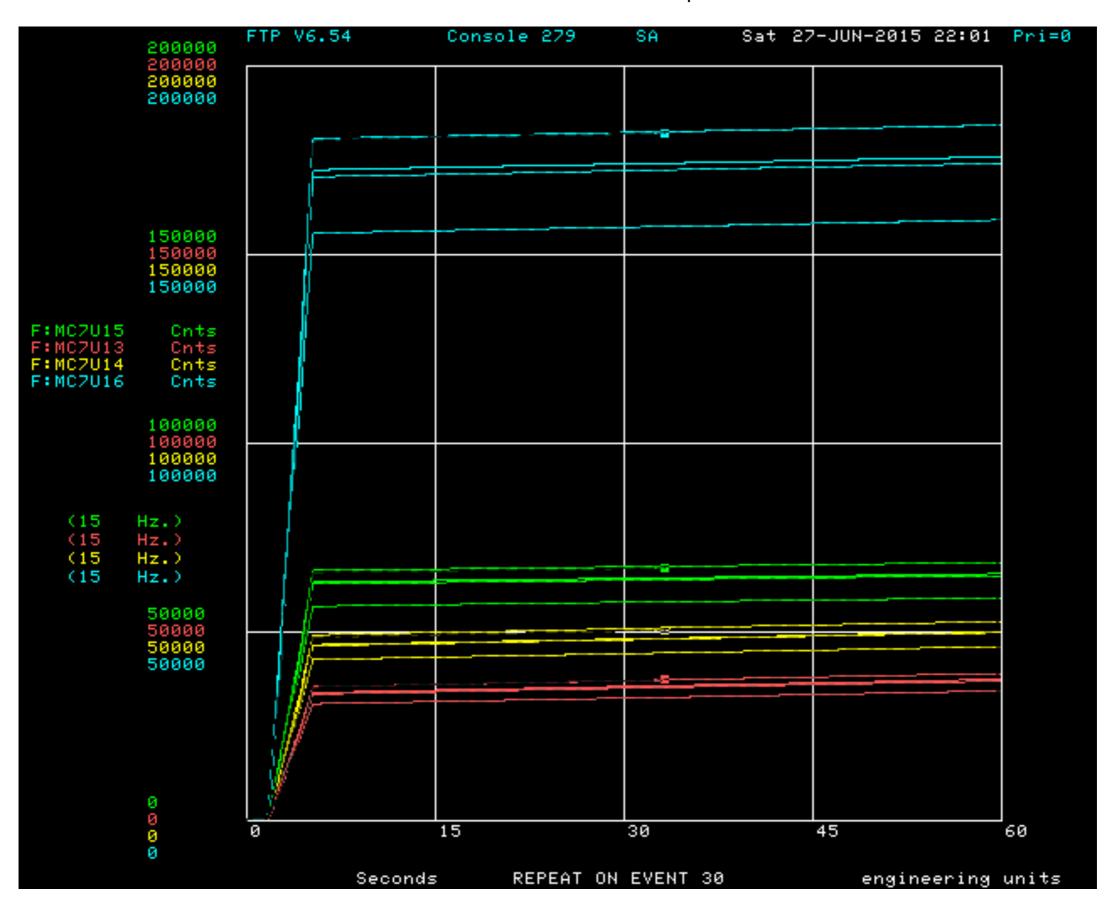


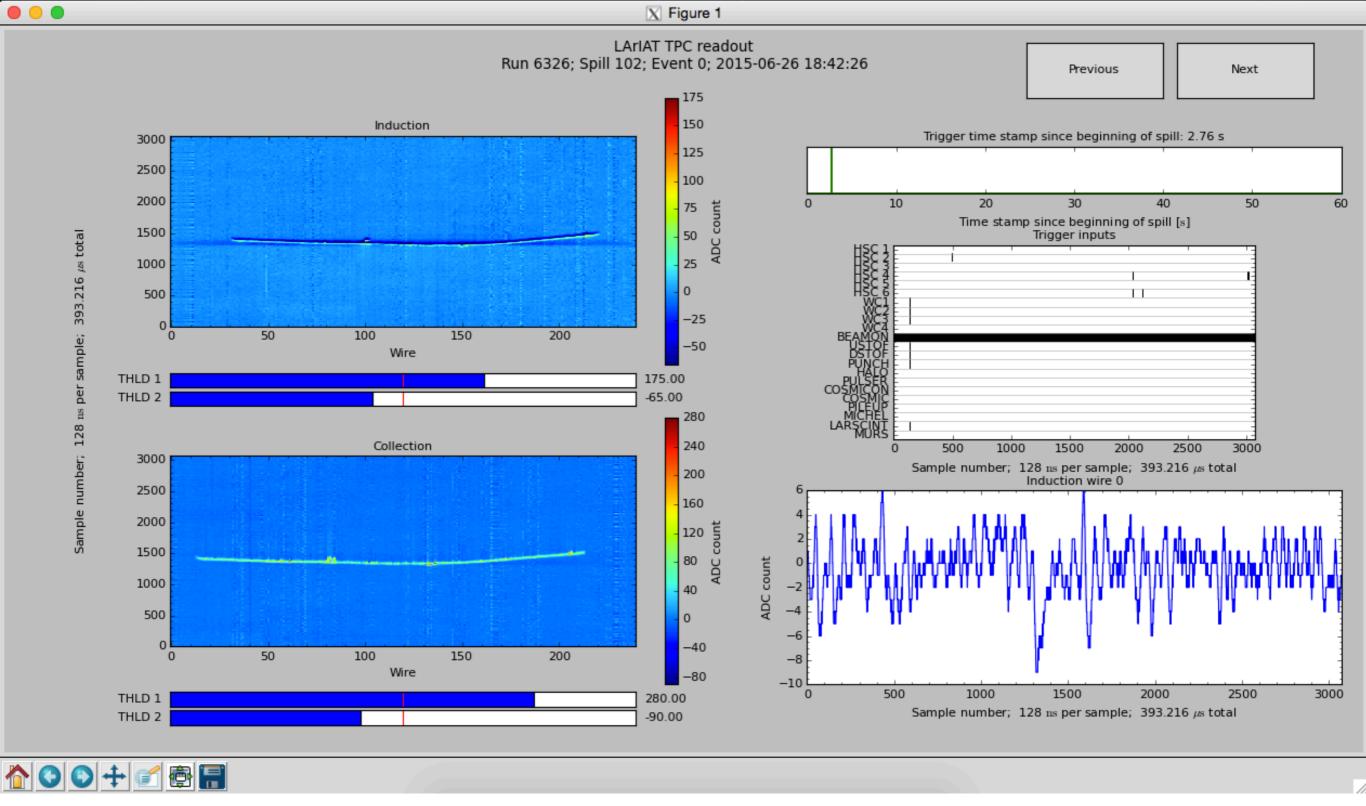


- Wall halo counters are connected into the quad scalar and sent into acnet.
- Bill has helped us getting plugged into a spare v1740 board.

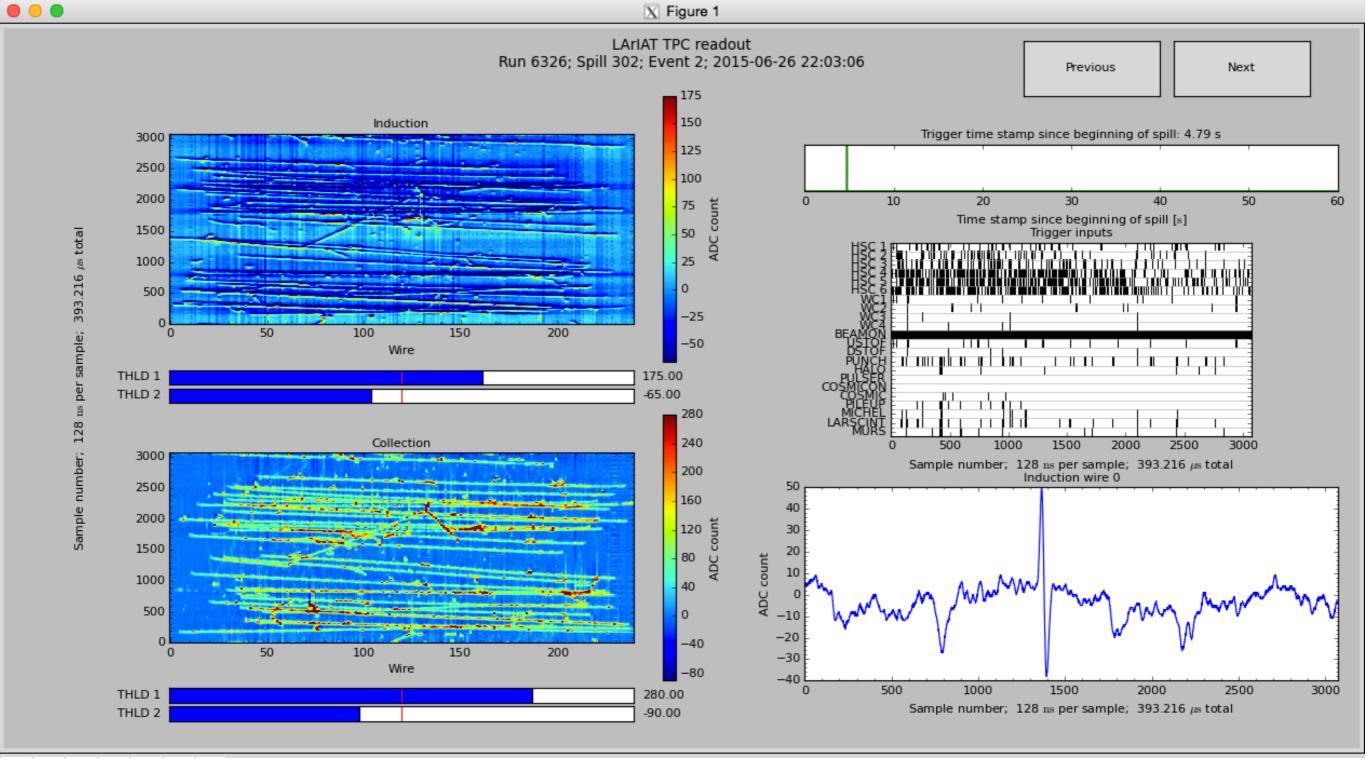


We can see now the HSC's reaction to the beam spill.



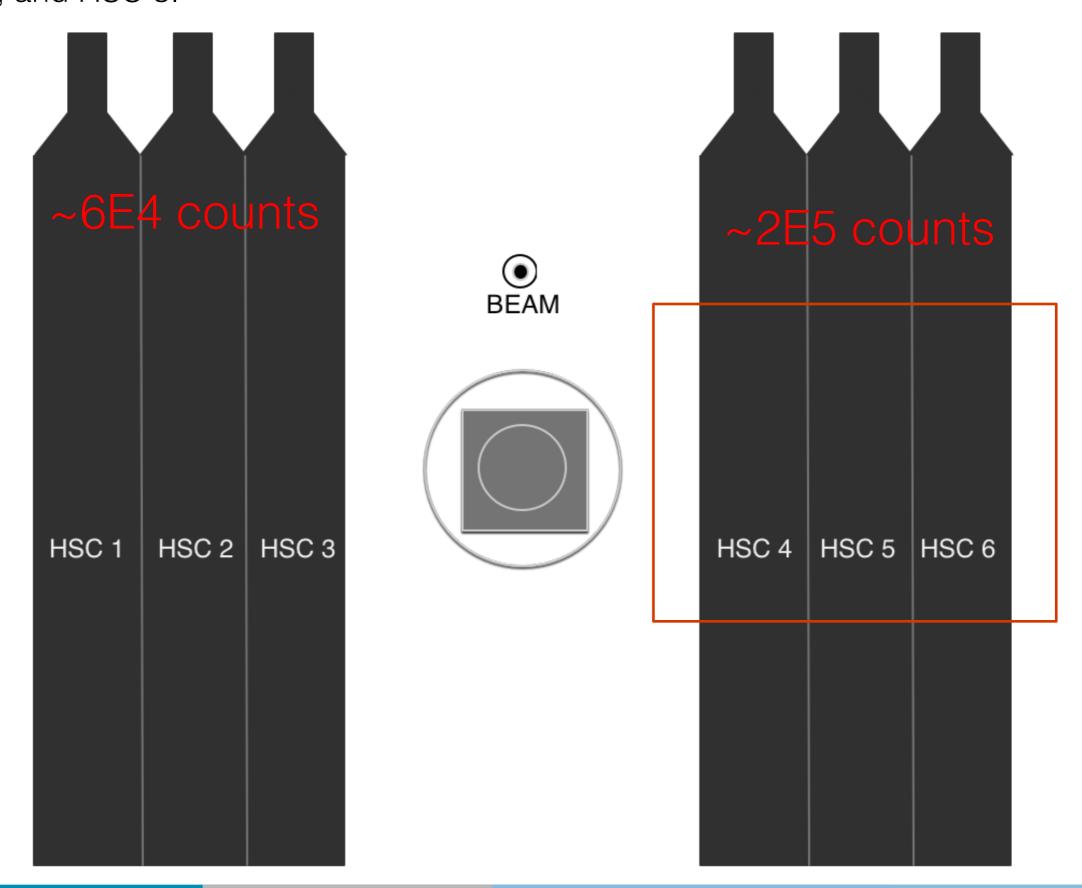


I have made changes to the event display to output all 6 wall HSCs.
 Single tracks seem to quiet in the counters



- Notice the wall counter are lighting up when we have a lot of through the LArTPC.
  - > Can we veto on the wall HSCs in the v1495.

We have noticed that HSC 4, HSC 5, and HSC 6 are seeing higher counts then HSC 1, HSC 2, and HSC 3.

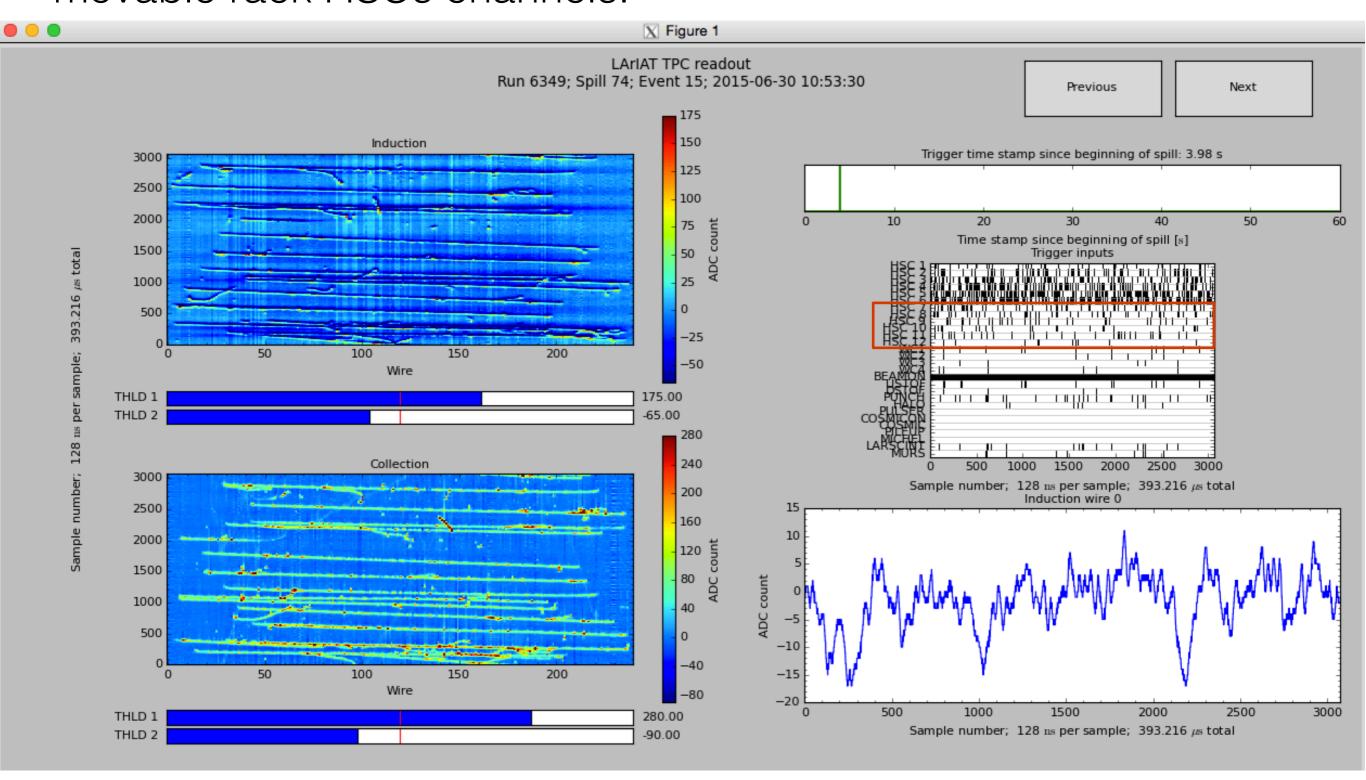


> We can be seeing upstream muons from MTest?  $\bigcirc$ WOMENS ROOM FERMI NATIONAL ACCELERATOR LABORATOR
UNITED STATES DEPARTMENT OF ENERGY

> As of June 29th the movable rack has also been installed.



➤ I have made changes to the event display again adding the movable rack HSCs channels.



**BACK UP** 

